

A LIST OF BIRDS COLLECTED BY DR. PAUL BARTSCH
IN THE PHILIPPINE ISLANDS, BORNEO, GUAM, AND
MIDWAY ISLAND, WITH DESCRIPTIONS OF THREE
NEW FORMS.

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On the voyage of the United States Bureau of Fisheries steamer *Albatross* to the Philippine Islands Dr. Paul Bartsch accompanied that vessel as a representative of the United States National Museum, and made collections of birds whenever opportunity afforded, being assisted in this work by the regular staff of the *Albatross*.

Collections were thus made at Midway Island during November 7 and 8, 1907; at Guam Island, November 19 to 21, 1907; at Sandakan, Borneo, and vicinity, March 1 to 3, 1908; but by far the largest collection was gathered in the Philippine Islands, where many important gaps were filled in the United States National Museum series of birds. The following forms are here described as new to science: *Ramphaleyon capensis smithi* and *Pycnonotus goiavier sulucensis* from the Philippines, and *Collocalia bartschi* from Guam.

The following-named Philippine species are new to the collection of the U. S. National Museum: *Loriculus bonapartei*, *Yungipicus ramsayi*, *Rhinomyias ocularis*, *Edoliosoma everetti*, *Pericrocotus marchesei*, *Anthreptes wiglesworthi* (female), and *Chibia sulucensis*.

The collection also contained several species not previously received from the Philippine Islands.

BIRDS COLLECTED IN THE PHILIPPINE ISLANDS.

MEGAPODIUS CUMINGI Dillwyn.

Cat. No. 211299, adult. Taal Volcano, Batangas Province, Luzon, December 27, 1907.

GALLUS GALLUS (Linnaeus).

Cat. No. 211300-1, male adults. Taal Volcano, Batangas Province, Luzon, December 27, 1907.

Cat. No. 211302, female adult. Taal Volcano, Batangas Province, Luzon, December 27, 1907.

OSMOTRERON VERNANS (Linnaeus).

Cat. No. 211308, male adult. Taal Volcano, Batangas Province, Luzon, December 27, 1907.

PHAPITRERON BREVIROSTRIS Tweeddale.

Cat. No. 211309, male adult. Davao, southern Mindanao, May 17, 1908.

MUSCADIVORES NUCHALIS (Cabanis).

Cat. No. 211307, — adult. Port Binaug, Laguna Province, Luzon, January 8, 1908.

Cat. No. 211306, male adult. Lapac Island, Sulu group, February 17, 1908.

MUSCADIVORES AENEAE (Linnaeus).

Cat. No. 211304, male adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211305, female adult. Dumurug Point, Masbate, April 18, 1908.

MYRISTICIVORA BICOLOR (Scopoli).

Cat. No. 211303, male adult. Lapac Island, Sulu group, February 17, 1908.

MACROPYGIA TENUIROSTRIS Bonaparte.

Cat. No. 211310, male adult. Taal Volcano, Batangas Province, Luzon, December 26, 1907.

STREPTOPELIA DUSSUMIERI (Temminck).

Cat. No. 211311, male immature. Taal Volcano, Batangas Province, Luzon, December 27, 1907.

PUFFINUS LEUCOMELAS (Temminck).

Cat. No. 211223, female adult. Near the Philippine Islands, latitude, $13^{\circ} 12' N.$; longitude, $131^{\circ} 20' E.$, November 24, 1907.

HYDROCHELIDON HYBRIDA (Pallas).

Cat. No. 211264-6, female adults. Manila Harbor, Luzon Island, May 4, 1908.

STERNA BERGII BOREOTIS Bangs.

Cat. No. 211263, female adult. Batangas Bay, Luzon Island, June 7, 1908.

OCHTHODROMUS GEOFFROYI (Wagler).

Cat. No. 211283, female adult. Jolo, Sulu Island, March 7, 1908.

Cat. No. 211284, male adult. Tataan Island, Tawi Tawi group, February 19, 1908.

ÆGIALITIS DUBIA (Scopoli).

Cat. No. 211285, male immature. Majayjay, Laguna Province, Luzon, December 19, 1907.

Cat. No. 211286, female immature. Pausipit River, Batangas Province, Luzon, December 25, 1907.

Cat. No. 211287, male adult. Davao, southern Mindanao, May 17, 1908.

ÆGIALITIS ALEXANDRINA (Linnaeus).

Cat. No. 211288-91, females. Jolo, Sulu Island, March 7, 1908.

NUMENIUS VARIEGATUS (Scopoli).

Cat. No. 211296, male adult. Davao, Mindanao, May 16, 1908.

ACTITIS HYPOLEUCOS (Linnaeus).

Cat. No. 211292, female adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211293, — adult. Jolo, Sulu Island, March 7, 1908.

GLOTTIS NEBULARIUS (Gunnerus).

Cat. No. 211295, female adult. Davao, Mindanao, May 17, 1908.

RHYACOPHILUS GLAREOLA (Gmelin).

Tagal name: "Manunagtog."

Cat. No. 211294, male adult. Majayjay, Luzon, December 19, 1907.

ORTHORHAMPHUS MAGNIROSTRIS (Vieillot).

Cat. No. 211297, male adult. Tataan Island, Tawi Tawi group, February 19, 1908.

Cat. No. 211298, female adult. Tataan Island, Tawi Tawi group, February 19, 1908. "Eggs well developed."

The U. S. Bureau of Fisheries has recently sent us a third specimen collected by the *Albatross* Philippine Expedition:

Cat. No. 211631, — adult. Palani Island, off northeastern Luzon, November 18, 1908.

PYRRHERODIAS MANILLENSIS (Meyen).

Cat. No. 211270 (=15279 Mearns), female adult. Altitude 4,500 feet, near Baguio, Benguet Province, Luzon, July 6, 1907. Governor Pack asked Doctor Mearns to skin this bird for him. The governor subsequently gave the specimen to Dr. Paul Bartsch.

DEMIEGRETTA SACRA (Gmelin).

Cat. No. 211271, male adult. Dumurug Point, Masbate, April 18, 1908.

Cat. No. 211272, male adult. Capunuyugan Point, Mindanao, May 10, 1908.

Cat. No. 211273, female adult. Capunuyugan Point, Mindanao, May 10, 1908.

NYCTICORAX MANILLENSIS Vigors.

Cat. No. 211274, male adult. Pansipit River, Luzon, December 25, 1907.

Cat. No. 211275, female young. Pansipit River, Luzon, December 25, 1907.

BUTORIDES JAVANICA (Horsfield).

Cat. No. 211277, female young. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211278, male young. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211280, male adult. Silago River, Samar, April 12, 1908.

Cat. No. 211281, female adult. Silago River, Samar, April 12, 1908.

Cat. No. 211282, male adult. Baganga River, eastern Mindanao, May 13, 1908.

BUBULCUS COROMANDUS (Boddaert).

Cat. No. 211276, female adult. Baganga River, eastern Mindanao, May 13, 1908. Adult female in nuptial plumage.

IXOBRYCHUS CINNAMOMEA (Gmelin).

Cat. No. 211279, female immature. Pansipit River, Luzon, December 25, 1907.

DENDROCYGNA ARCUATA (Horsfield).

Cat. No. 211268, male adult. Davao River, southern Mindanao, May 16, 1908.

Cat. No. 211269, female adult. Davao River, southern Mindanao, May 16, 1908.

ANHINGA MELANOGASTER (Pennant).

Cat. No. 211267, female. Pansipit River, Luzon, December 27, 1907.

SPILORNIS HOLOSPILUS (Vigors).

Cat. No. 211313, male adult. Surigao River, northeastern Mindanao, May 8, 1908.

PONTOAETUS LEUCOGASTER (Gmelin).

Cat. No. 211312, male immature. Bongao Island, Tawi-tawi group, February 23, 1908.

ELANUS HYPOLEUCUS Gould.

Cat. No. 211314, male adult. Tacloban, Leyte, April 11, 1908.

Cat. No. 211315, male adult. Surigao River, northeastern Mindanao, May 8, 1908.

CACATUA HAEMATUROPYGIA (P. L. S. Müller).

Cat. No. 211318, male adult. Silago River, Samar, April 12, 1908.

Cat. No. 211316, male adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211317, female adult. Dumurug Point, Masbate, April 17, 1908.

Cat. No. 211319, female adult. Siasi Island, Sulu group, February 18, 1908.

TANYGNATHUS LUCIONENSIS (Linnaeus).

Cat. No. 211321-3, males. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211324, female. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211320, male. Romblon, Romblon Island, March 26, 1908.

Cat. No. 211325, male. Lapac Island, Sulu group, February 17, 1908.

LORICULUS BONAPARTEI Souancé.

Cat. No. 211326, female adult. Jolo, Sulu Island, March 7, 1908.

EURYSTOMUS ORIENTALIS (Linnaeus).

Cat. No. 211353, male adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211354, male adult. Silago River, Samar, April 11, 1908.

Cat. No. 211356, male adult. Capunypangan Point, Mindanao, May 10, 1908.

Cat. No. 211355, female adult. Mati, eastern Mindanao, May 15, 1908.

RAMPHALCYON CAPENSIS GIGANTEA (Walden).

Cat. No. 211364, male adult. Baganga River, eastern Mindanao, May 13, 1908.

Cat. No. 211365, male adult. Bongao Island, Tawi-tawi group, February 23, 1908.

Cat. No. 211366, female adult. Bongao Island, Tawi-tawi group, February 23, 1908.

The typical Mindanao specimen is decidedly bluer—less greenish blue—on the upper surfaces than the pair from Bongao Island.

RAMPHALCYON CAPENSIS SMITHI, new subspecies.

MASBATE STORK-BILLED KINGFISHER.

Type.—Cat. No. 211363, U. S. N. M., adult male, collected by Dr. Paul Bartsch at Dumurug Point, Masbate Island, April 18, 1908.

Characters.—Intermediate in color between *R. c. gigantea* and *R. c. gouldi*. The largest Philippine form; head, buff; under parts, ochraceous-buff.

Measurements of type (adult male).—Wing, 157 mm.; tail, 96; exposed culmen, 80; tarsus, 17.

Geographical range.—Southeastern Luzon, Masbate, and others of the middle islands of the Philippines, where the ranges of *R. c. gigantea* and *R. c. gouldi* approach each other. There are several specimens of this form in the Menage collection, gathered by Messrs. Worcester and Bourns, now in the Bishop Museum at Honolulu. Named in honor of Dr. Hugh M. Smith, Deputy Commissioner of Fisheries and director of the Albatross Philippine expedition.

ALCEDO BENGALENSIS Gmelin.

Cat. No. 211383, female adult. Pansipit River, Luzon, December 25, 1907.

Cat. No. 211384, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211385, female immature. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211386, female adult. Montalbon, Luzon, January 1, 1908.

HALCYON GULARIS (Kuhl).

- Cat. No. 211367, female adult. Majayjay, Laguna Province, Luzon, December 18, 1907.
 Cat. No. 211368, female adult. Santa Cruz, Laguna Province, Luzon, December 20, 1907.
 Cat. No. 211369, male adult. Near San Fernando, Union Province, Luzon, March 16, 1908.
 Cat. No. 211370, male adult. Silago River, Samar, April 12, 1908.

HALCYON WINCHELLI Sharpe.

- Cat. No. 211371, male adult. Papahag Island, Tawi-tawi group, February, 23, 1908.

HALCYON CHLORIS (Boddaert).

- Cat. No. 211372, female immature. Taal Volcano, Luzon, December 27, 1907.
 Cat. No. 211373, male immature. Pansipit River, Luzon, January 18, 1908.
 Cat. No. 211374, female immature. Pansipit River, Luzon, December 25, 1907.
 Cat. No. 211375, female immature. Port Binang, Luzon, January 8, 1908.
 Cat. No. 211376, male adult. Dumurug Point, Masbate, April 19, 1908.
 Cat. No. 211377, male adult. Panabutan Bay, Mindanao, February 5, 1908.
 Cat. No. 211378, female adult. Davao, Mindanao, May 17, 1908.
 Cat. No. 211379-80, male adults. Lapac Island, Sulu group, February 17, 1908.
 Cat. No. 211381, female adult. Bongao Island, Tawi-Tawi group, February 23, 1908.
 Cat. No. 211382, male adult. Bongao Island, Tawi-Tawi group, February 23, 1908.

PENELOPIDES PANINI (Boddaert).

- Cat. No. 211390-1, male adults. Dumurug Point, Masbate, April 18, 1908.
 Cat. No. 211392-3, male adults. Dumurug Point, Masbate, April 19, 1908.
 Cat. No. 211394, female adult. Dumurug Point, Masbate, April 18, 1908.
 Cat. No. 211395, female adult. Dumurug Point, Masbate, April 19, 1908.

PENELOPIDES AFFINIS Tweeddale.

- Cat. No. 211396, male adult. Capunuyugan Point, Mindanao, May 10, 1908.

CRANORRHINUS LEUCOCEPHALUS (Vieillot).

- Cat. No. 211387, male adult. Capunuyugan Point, Mindanao, May 10, 1908.
 Cat. No. 211388-9, male adults. Mati, eastern Mindanao, May 15, 1908.

MEROPS AMERICANUS P. L. S. Müller.

- Cat. No. 211357, male adult. Dumurug Point, Masbate, April 19, 1908.

MEROPS PHILIPPINUS Linnæus.

- Cat. No. 211360, male adult. Nagnillian, Union Province, March 15, 1908.
 Cat. No. 211361, male adult. Near Nagnillian, Union Province, March 16, 1908.
 Cat. No. 211358, male adult. Pansipit River, Luzon, December 25, 1907.
 Cat. No. 211359, male adult. Pansipit River, Luzon, January 8, 1908.
 Cat. No. 211362, male adult. Bongao Island, Tawi-Tawi group, February 23, 1908.

HEMIPROCNE COMATA (Temminck).

- Cat. No. 211351, female adult. Silago River, Samar, April 12, 1908.

Mindanao and Samar islands are included in the range of *Hemiprocne comata comata*. The specimens of *H. c. major* in the U. S. National Museum are from Luzon and Panay islands.

COLLOCALIA TROGLODYTES Gray.

Cat. No. 211346, male adult. Near Majayjay, Luzon, December 19, 1907.

Cat. No. 211347, adult. Near Majayjay, Luzon, December 19, 1907.

COLLOCALIA MARGINATA Salvadori.

Cat. No. 211348, male adult. Near Majayjay, Luzon, December 19, 1907.

Cat. No. 211349, female adult. Montalbon, Luzon, January 1, 1908.

Cat. No. 211350, female adult. Capunuypugan Point, Mindanao, May 10, 1908.

PYROTROGON ARDENS (Temminck).

Cat. No. 211352, male immature. Tacloban, Leyte, April 11, 1908.

EUDYNAMIS MINDANENSIS (Linnæus).

Cat. No. 211328, male adult. Dumurug Point, Masbate, April 17, 1908.

Cat. No. 211329, male adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211330, female adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211331, female immature. Dumurug Point, Masbate, April 17, 1908.

CENTROPUS VIRIDIS (Scopoli).

Cat. No. 211338, male immature. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211332, male adult. Dumurug Point, Masbate, April 18, 1908.

Cat. No. 211333, female adult. Dumurug Point, Masbate, April 18, 1908.

Cat. No. 211335-7, male adults. Baganga River, eastern Mindanao, May 13, 1908.

Cat. No. 211334, female adult. Mati, eastern Mindanao, May 15, 1908.

CENTROPUS JAVANICUS (Dumont).

Cat. No. 211339, male adult. Tacloban, Leyte, April 11, 1908.

DASYLOPHUS SUPERCILIOSUS (Cuvier).

Cat. No. 211327, male adult. Magdalena, Laguna Province, Luzon, December 18, 1907.

XANTHOLÆMA HÆMACEPHALUM (P. L. S. Müller).

Cat. No. 211345, male adult. Taal Volcano, Luzon, January 18, 1908.

YUNGIPICUS RAMSAYI Hargitt.

Cat. No. 211344, male adult. Papahag Island, off Tawi Tawi, February 23, 1908.

YUNGIPICUS VALIDIROSTRIS (Blyth).

Cat. No. 211342, male adult. Magdalena, Laguna Province, Luzon, December 20, 1907.

Cat. No. 211343, female adult. Magdalena, Laguna Province, Luzon, December 20, 1907.

Cat. No. 211341, male adult. Taal Volcano, Luzon, December 27, 1907.

CHRYSOCOLAPTES LUCIDUS MONTANUS Grant.

Cat. No. 211340, female adult. Mati, eastern Mindanao, May 15, 1908. An extreme example of *montanus*. This is a species of eastern Mindanao, intergrading with *lucidus* at Pantar, western Mindanao, instead of being a mountain form.

HIRUNDO GUTTURALIS Scopoli.

Cat. No. 211447, female adult. Santa Cruz, Laguna Province, Luzon, December —, 1907.

Cat. No. 211448, female immature. Majayjay, Luzon, December 19, 1907.

HIRUNDO JAVANICA Sparrman.

Cat. No. 211449, female adult. Romblon, Romblon Island, March 26, 1908.

CYORNIS PHILIPPINENSIS Sharpe.

Cat. No. 211500, male adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211501, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211502, female adult. Taal Volcano, Luzon, December 27, 1907.

MUSCICAPULA WESTERMANNI Sharpe.

Cat. No. 211517-8, female adults. Bagnio, Benguet Province, Luzon, March 13, 1908.

GERYGONE SIMPLEX Cabanis.

Cat. No. 211503, male adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211504, female adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211505-6, female adults. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211507-10, adults. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211511, adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211512, male adult. Naguillian, Union Province, Luzon, March 15, 1908.

GERYGONE RHIZOPHORÆ Mearns.

Cat. No. 211513, female adult. Tataan Island, Tawi-tawi group, February 19, 1908. This specimen is doubtfully referred to this species on account of its darker coloration and larger size than *Gerygone simplex*. The sides of the head are nearly as dark as in *G. rhizophoræ* from Mindanao, and, like it, the crissum is pale and the under tail-coverts white: but the upper parts are much paler, and the bill smaller than in typical *rhizophoræ*.

HYPOTHYMIS AZUREA (Boddaert).

Cat. No. 211514, female adult. Port Binang, Luzon, January 9, 1908.

Cat. No. 211515, male adult. Capunuyugan Point, Mindanao, May 10, 1908.

Cat. No. 211516, male adult. Baganga River, Mindanao, May 13, 1908.

RHIPIDURA CYANICEPS (Cassin).

Cat. No. 211493, male adult. Olongapo, Luzon, January 8, 1908.

Cat. No. 211494, "female?" adult. Olongapo, Luzon, January 8, 1908.

RHIPIDURA NIGRITORQUIS Vigors.

Cat. No. 211495-6, male adults. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211497-8, female adults. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211499, male adult. Tataan Island, Tawi-tawi group, February 20, 1908.

RHINOMYIAS OCULARIS Bourns and Worcester.

An alcoholic specimen, taken on Pangamian Island, Sulu group, February 13, 1908, measures as follows: Length, 595 mm.; wing, 77; tail, 63; tarsus, 22.5; middle toe with claw, 18.

ARTAMIDES KOCHI Kutter.

Cat. No. 211408, male adult. Silago River, Samar, April 12, 1908.

ARTAMIDES PANAYENSIS Steere.

Cat. No. 211406, male adult. Dumurug Point, Masbate, April 18, 1908.

Cat. No. 211407, female adult. Cataingan Bay, Masbate, April 17, 1908.

EDOLIOSOMA EVERETTI Sharpe.

Cat. No. 211409, male adult. Lapac Island, Sulu group, February 17, 1908.

PERICROCOTUS MARCHESÆ Guillemard.

Cat. No. 211410, female adult. Jolo, Sulu Island, March 7, 1908.

LALAGE NIGER (Forster).

Cat. No. 211411, male adult. Pansipit River, Luzon, December 25, 1907.

Cat. No. 211412-4, male adults. Naguillian, Union Province, Luzon, March 16, 1908.

Cat. No. 211415, female adult. Naguillian, Union Province, Luzon, March 16, 1908.

Cat. No. 211416, male adult. Dumurug Point, Masbate, April 19, 1908.

IOLE EVERETTI Tweeddale.

Cat. No. 211462, male adult. Capunuyugan Point, Mindanao, May 10, 1908.

IOLE GULARIS (Pucheran).

Cat. No. 211464, male adult. Montalbon, Luzon, January 8, 1908.

Cat. No. 211465, male adult. Montalbon, Luzon, January 1, 1908.

Cat. No. 211466, no label—adult. (Montalbon, Luzon, January 1, 1908?)

Cat. No. 211467, male adult. Port Binang, Luzon, January 8, 1908.

Cat. No. 211469, female adult. Tacloban, Leyte, April 11, 1908.

IOLE GUIMARASENSIS Steere.

Cat. No. 211468, male? Dumurug Point, Masbate, April 17, 1908.

IOLE CINEREICEPS Bourns and Worcester.

Cat. No. 211463, female adult. Romblon, Romblon Island, March 25, 1908.

POLIOLOPHUS UROSTICTUS (Salvadori).

Cat. No. 211479, male adult. Baganga River, eastern Mindanao, May 13, 1908.

Cat. No. 211480, female adult. Baganga River, eastern Mindanao, May 13, 1908.

PYCNONOTUS GOIAVIER GOIAVIER (Scopoli).

Cat. No. 211470, male adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211471, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211472-3, female adults. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211474, male adult. Port Dupon, Leyte, May 7, 1908.

PYCNONOTUS GOIAVIER SULUENSIS new subspecies.**SULU GUAVA BULBUL.**

Type.—Cat. No. 211475, U.S.N.M., adult male from Jolo, Sulu Island, Philippines, collected March 7, 1908, by Dr. Paul Bartsch.

Characters.—Similar to the Luzon Guava Bulbul (*Pycnonotus goiavier goiavier*), but smaller, with relatively shorter tail, broader supraorbital white stripes, and a paler auricular patch.

Comparative measurements.

Name.	No. of specimens.	Sex.	Locality.	Wing.	Tail.	Culmen (chord).	Tarsus.
				mm.	mm.	mm.	mm.
<i>Pycnonotus goiavier goiavier</i> ...	10	Male.....	Luzon Island.....	84	88	15.6	20.8
<i>Pycnonotus goiavier suluensis</i> ..	7	..do.....	Mindanao Island..	80.7	81.1	15.3	19.9
Do.....	1	..do.....	Basilan Island.....	83	86	16	21
Do.....	3	..do.....	Sulu Island.....	81.7	82	15.8	19.3
<i>Pycnonotus goiavier goiavier</i> ...	6	Female....	Luzon Island.....	80.3	84.5	14.7	20.3
<i>Pycnonotus goiavier suluensis</i> ..	6	..do.....	Mindanao Island..	79	79.3	14.8	19.1
Do.....	1	..do.....	Sulu Island.....	77	85	15.5	18.5

The Philippine forms of *Pycnonotus goiavier* are distinguishable from *P. analis* (Horsfield) by their smaller size and considerable color differences.

Material examined.—Twenty-three skins of *Pycnonotus goiavier goiavier* from the northern Philippine islands of Luzon, Mindoro, Panay, Samar, and Leyte; 20 skins from the southern Philippine islands of Mindanao, Basilan, and Sulu.

PYCNONOTUS GOIAVIER SULUENSIS.

Cat. No. 211475, male adult. Jolo, Sulu Island, March 7, 1908. Type.

Cat. No. 211476-7, male adults. Jolo, Sulu Island, March 7, 1908.

Cat. No. 211478, female adult. Jolo, Sulu Island, March 7, 1908.

PETROPHILA MANILLENSIS (Forster).

Cat. No. 211618, male adult. Twin Peaks, Benguet wagon road, Luzon, March 13, 1908.

Cat. No. 211619-20, females, immature. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211614, female adult. Majayjay, Luzon, December 20, 1907.

Cat. No. 211615, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211616, female adult. Summit of Taal Volcano, Luzon, January 18, 1908.

Cat. No. 211617, female, immature. Port Binang, Luzon, January 8, 1908.

COPSYCHUS MINDANENSIS (Gmelin).

Cat. No. 211610, male adult. Between Magdalena and Majayjay, Luzon, December 18, 1907.

Cat. No. 211611, female adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211612, male, immature. Romblon Island, March 26, 1908.

Cat. No. 211613, female adult. Lapac Island, Sulu group, February 17, 1908.

PRATINCOLA CAPRATA (Linnæus).

Cat. No. 211519, male adult. Pansipit River, Luzon, December 25, 1907.

Cat. No. 211520, male adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211521-2, male adults. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211523-4, female adults. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211525, female adult. Baguio, Benguet Province, Luzon, March 13, 1908.

ORTHOTOMUS FRONTALIS Sharpe.

Cat. No. 211482, male adult. Capunuyangan Point, Mindanao, May 10, 1908.

ORTHOTOMUS RUFICEPS (Lesson).

Cat. No. 211483, male adult. Sitanki Island, February 26, 1908.

Cat. No. 211484, female adult. Sitanki Island, February 26, 1908.

CISTICOLA CISTICOLA (Temminck).

Cat. No. 211485, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211486, male adult. Pozorrubio, Benguet Wagon Road, Luzon, March 12, 1908.

Cat. No. 211487-8, male adults. Near San Fernando, Union Province, Luzon, March 16, 1908.

Cat. No. 211489, female adult. Near San Fernando, Union Province, Luzon, March 16, 1908.

Cat. No. 211490, — adult. Lemery, Batangas Province, Luzon, January 19, 1908.

Cat. No. 211492, female adult. Jolo, Sulu Island, March 7, 1908.

CISTICOLA EXILIS (Vigors and Horsfield).

Cat. No. 211491, male adult. Taeloban, Leyte, April 11, 1908.

MEGALURUS PALUSTRIS Horsfield.

Cat. No. 211481, female adult. Near Naguillian, Union Province, Luzon, March 15, 1908.

ACANTHOPNEUSTE BOREALIS (Blasius).

Cat. No. 211605, female adult. Between Magdalena and Majayjay, Luzon, December 18, 1907.

Cat. No. 211606, female adult. Pansipit River, Luzon, December 25, 1907.

Cat. No. 211607, female adult. Pozorrubio, Luzon, March 12, 1908.

Cat. No. 211608, male adult. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211609, female adult. Baguio, Benguet Province, Luzon, March 13, 1908.

ARTAMUS LEUCORYNCHUS (Linnæus).

Cat. No. 211397-8, male adults. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211399, female adult. Taal Volcano, Luzon, January 18, 1908.

Cat. No. 211400, female adult. Majayjay, Luzon, December 19, 1907.

Cat. No. 211401, female adult. Port Dupon, Leyte, May 7, 1908.

Cat. No. 211402, female adult. Jolo, Sulu Island, March 7, 1908.

Cat. No. 211403, male adult. Papahag Island, Tawi Tawi group, February 23, 1908.

Cat. No. 211404, female adult. Papahag Island, Tawi Tawi group, February 23, 1908.

Cat. No. 211405, — adult. Papahag Island, Tawi Tawi group, February 23, 1908.

CEPHALOPHONEUS NASUTUS (Scopoli).

Cat. No. 211435-6, female adults. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211437, male adult. Naguillian, Union Province, Luzon, March 15, 1908.

OTOMELA LUCIONENSIS (Linnæus).

Cat. No. 211438, female adult. Near Santa Cruz, Luzon, December 18, 1907.

Cat. No. 211439-40, males, immature. Magdalena, Luzon, December 20, 1907.

Cat. No. 211441, female immature. Pansipit River, Luzon, December 25, 1907.

Cat. No. 211442, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211443, male adult. Olougapo, Luzon, January 8, 1908.

Cat. No. 211444, male adult. San Fernando, Union Province, Luzon, March 16, 1908.

Cat. No. 211445, male adult. Tacloban, Leyte, April 11, 1908.

HYLOTERPE ALBIVENTRIS Grant.

Cat. No. 211446, male adult. Sablan, Benguet Province, Luzon, March 15, 1908.

PARDALIPARUS ELEGANS (Lesson).

Cat. No. 211597-9, male adults. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211600-1, female adults. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211602, female adult. Near Sablan, Benguet Province, Luzon, March 15, 1908.

CALLISITTA MESOLEUCA (Grant).

Cat. No. 211603, male adult. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211604, female adult. Baguio, Benguet Province, Luzon, March 13, 1908.

ZOSTEROPS BASILANICA Steere.

Cat. No. 211530, male adult. Papahag Island, Tawi Tawi group, February 23, 1908.

ZOSTEROPS MEYENI Bonaparte.

Cat. No. 211526, male adult. Taal Volcano, Luzon, December 26, 1907.

ZOSTEROPS WHITEHEADI Hartert.

Cat. No. 211527-9, female adults. Baguio, Benguet Province, Luzon, March 13, 1908.

DICÆUM PAPUENSE (Gmelin).

Cat. No. 211533, male adult. Basiao Island, off Samar, April 16, 1908.

Cat. No. 211534, male immature. Basiao Island, off Samar, April 16, 1908.

DICÆUM PYGMÆUM (Kittlitz).

Cat. No. 211531, male adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211532, female adult. Dumurug Point, Masbate, April 19, 1908.

LEPTOCOMA SPERATA (Linnaeus).

Cat. No. 211537-41, male adults. Basiao Island, off Samar, April 16, 1908.

Cat. No. 211542-4, female adults. Basiao Island, off Samar, April 16, 1908.

Cat. No. 211545, female adult. Silago River, Samar, April 12, 1908.

CYRTOSTOMUS JUGULARIS JUGULARIS (Linnaeus).

Cat. No. 211546, female adult. Between Magdalena and Majayjay, Luzon, December 18, 1907.

Cat. No. 211547, male adult. Santa Cruz, Luzon, December 20, 1907.

Cat. No. 211548, female adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211549, female adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211550, male adult. Pansipit River, Luzon, January 18, 1908.

Cat. No. 211551, male adult. Nagnillian, Union Province, Luzon, March 15, 1908.

Cat. No. 211552, male adult. Romblon, Romblon Island, Luzon, March 25, 1908.

Cat. No. 211553-4, males young. Dumurug Point, Masbate, April 17, 1908.

Cat. No. 211555, male young. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211556-60, female adults. Basiao Island, off Samar, April 16, 1908.

CYRTOSTOMUS JUGULARIS WOODI Mearns.

Cat. No. 211561-2, male adults. Jolo, Sulu Island, March 7, 1908.

Cat. No. 211563, female adult. Jolo, Sulu Island, March 7, 1908.

Cat. No. 211564, male adult. Sitanki Island, February 26, 1908.

Cat. No. 211565-6, female adults. Sitanki Island, February 26, 1908.

Cat. No. 211567, male immature. Papahag Island, Tawi Tawi group, February 23, 1908.

Cat. No. 211568-9, male adults. Papahag Island, Tawi Tawi group, February 23, 1908.

Cat. No. 211570-1, female adults. Papahag Island, Tawi Tawi group, February 23, 1908.

There is also a female alcoholic specimen taken on Pangamian Island, Sulu group, February 13, 1908.

ANTHREPTES MALACCENSIS (Scopoli).

Cat. No. 211536, female adult. Sitanki Island, February 26, 1908.

ANTHREPTES WIGLESWORTHII Hartert.

Cat. No. 211535, female adult. Jolo, Sulu Island, March 7, 1908. This is a topotype. An adult male specimen from Pangamian Island, Sulu group, taken February 13, 1908, was also received in alcohol.

MOTACILLA OCULARIS Swinhoe.

Cat. No. 211451, female adult. Taal Volcano, Luzon, December 26, 1907.

MOTACILLA BOARULA MELANOPE (Pallas).

Cat. No. 211452, female adult. Majayjay, Luzon, December 18, 1907.

Cat. No. 211453, female adult. Majayjay, Luzon, December 19, 1907.

ANTHUS HODGSONI Richmond.

Cat. No. 211456-7, male adults. Bagnio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211458-9, female adults. Baguio, Benguet Province, Luzon, March 13, 1908.

Cat. No. 211460-1, female adults. Near Sablan, Benguet Province, Luzon, March 15, 1908.

ANTHUS RUFULUS Vieillot.

Cat. No. 211454, female adult. Magdalena, Luzon, December 20, 1907.

Cat. No. 211455, male adult. Pansipit River, Luzon, December 25, 1907.

ALAUDA WATTERSI Swinhoe.

Cat. No. 211450, — adult. Magdalena, Luzon, December 20, 1907.

MUNIA ORYZIVORA (Linnæus).

Cat. No. 211621, male young. Pozorrubio, Benguet Road, Luzon, March 12, 1908.

MUNIA JAGORI Martens.

Cat. No. 211623-4, male adults. Tacloban, Leyte, April 11, 1908.

Cat. No. 211625, female immature. Tacloban, Leyte, April 11, 1908.

Cat. No. 211626, male adult. Jolo, Sulu Island, February 17, 1908.

MUNIA CABANISI Sharpe.

Cat. No. 211627, male adult. Pozorrubio, Benguet Road, Luzon, March 12, 1908.

Cat. No. 211628, female adult. Pozorrubio, Benguet Road, Luzon, March 12, 1908.

Cat. No. 211629, female adult. Naguillian, Union Province, Luzon, March 15, 1908.

Cat. No. 211622, female, immature. Naguillian, Union Province, Luzon, March 15, 1908.

ORIOLOUS CHINENSIS Linnæus.

Cat. No. 211427, male adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211428, female adult. Taal Volcano, Luzon, December 26, 1907.

Cat. No. 211429, — immature. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211430, male adult. Naguillian, Union Province, Luzon, March 15, 1908.

Cat. No. 211431, male adult. Mati, southeastern Mindanao, May 15, 1908.

There is also an adult alcoholic specimen from Pangamian Island, Sulu group, taken February 13, 1906.

DICRURUS BALICASSIUS (Linnæus).

Cat. No. 211433, — adult. Without a label, but said by Doctor Bartsch to have been taken on the Pansipit River, Luzon.

CHIBIA SULUENSIS (Hartert).

Cat. No. 211432, male adult. Lapac Island, off Siasi Island, February 17, 1908. Measurements of skin: Length, 284 mm.; wing, 148; tail, 143; culmen, 35; tarsus, 25.

ÆTHIOPSAR CRISTATELLUS (Gmelin).

Cat. No. 211424, female adult. Taal Volcano, Luzon, December 27, 1907.

Cat. No. 211425, male adult. Pansipit River, Luzon, December 27, 1907.

SARCOPS CALVUS (Linnaeus).*Sarcops lowi* SHARPE, Trans. Linn. Soc., 1877 (Sibutu Island).

Cat. No. 211419, male adult. Papahag Island, Tawi Tawi group, February 23, 1908.

SARCOPS CALVUS MELANONOTUS Grant.

Cat. No. 211417, male adult. Dumurug Point, Masbate, April 19, 1908.

Cat. No. 211418, male adult. Tacloban, Leyte, April 11, 1908.

LAMPROCORAX PANAYENSIS (Scopoli).

Cat. No. 211420, female adult. Taal Volcano, Luzon, January 18, 1908.

Cat. No. 211426, male adult. Taal Volcano, Luzon, January 18, 1908.

Cat. No. 211421, male adult. Pansipit River, Luzon, January 18, 1908.

Cat. No. 211422, female adult. Dumurug Point, Masbate, April 17, 1908.

Cat. No. 211423, male adult. Papahag Island, Tawi Tawi group, February 23, 1908.

CORONE PHILIPPINA (Bonaparte).

Cat. No. 211434, male adult. Bongao Island, Tawi Tawi group, February 23, 1908.

BIRDS COLLECTED IN BORNEO.

HIRUNDO JAVANICA Sparrman.

Cat. No. 211581, female adult. Sandakan, Borneo, March 2, 1908.

PYCNONOTUS PLUMOSUS Blyth.

Cat. No. 211573-4, female adults. Sandakan, Borneo, March 3, 1908.

PYCNONOTUS SIMPLEX Lesson.

Cat. No. 211575, male adult. Sandakan, Borneo, March 3, 1908. This appears to be one of the white-eyed forms of *P. simplex* mentioned by Doctor Richmond, in the Proceedings of the United States National Museum, XXVI, 1903, page 506; but the color of the iris was not noted by Doctor Bartsch.

COPSYCHUS NIGER Wardlaw Ramsay.

Cat. No. 211572, male adult. Sandakan, Borneo, March 3, 1908.

ÆGITHINA VIRIDIS (Bonaparte).

Cat. No. 211576, male adult. Po Bui Island, off Sandakan, Borneo, March 1, 1908.

Cat. No. 211577, male immature. Sandakan, northeastern Borneo, March 3, 1908.

ANTHREPTES MALACCENSIS (Scopoli).

Cat. No. 211582-5, male adults. Sandakan, Borneo, March 3, 1908.

Cat. No. 211586, female adult. Sandakan, Borneo, March 3, 1908.

Cat. No. 211587-92, male adults. Po Bui Island, off Sandakan, Borneo, March 1, 1908.

Cat. No. 211593-6, female adults. Po Bui Island, off Sandakan, Borneo, March 1, 1908.

UROLONCHA FUSCANS (Cassin).

Cat. No. 211578, male adult. Sandakan, Borneo, March 3, 1908.

Cat. No. 211579-80, female adults. Sandakan, Borneo, March 3, 1908.

BIRDS COLLECTED AT GUAM ISLAND.

HALCYON CINNAMOMINUS Wm. Swainson.

Cat. No. 211254, female adult. Guam, November 19, 1907.

COLLOCALIA BARTSCHI, new species.

GUAM ISLAND SWIFTLET.

Type.—No. 211255, U.S.N.M. Adult female, collected on the island of Guam, Pacific Ocean, November 20, 1907, by Dr. Paul Bartsch.

Characters.—Most closely related to *Collocalia unicolor amelis* Oberholser, described from specimens taken in the Benguet Highlands of Luzon, Philippine Islands. Its naked tarsus and much paler coloration at once separate it from *Collocalia fuciphaga*; and the absence of a whitish band across the rump distinguishes it from members of the *Collocalia francica* group.

An adult male specimen (Cat. No. 200566, U.S.N.M.) of this species which I collected on Guam Island, July 20, 1905, is labeled "*Collocalia u. amelis*" in Mr. Oberholser's handwriting. Although Oberholser mentioned this specimen under *Collocalia unicolor amelis*, and included the island of Guam in the area of distribution of that form in his "Monograph of the Genus *Collocalia*," published in the Proceedings of the Academy of Natural Sciences of Philadelphia, pp. 193 and 194, issued July 26, 1906, he did not include it in the table of measurements which concludes the description, which circumstance suggests that its small size led him to consider its identity with *amelis* doubtful.

The wing is shorter than in *Collocalia u. amelis* while the tail is, relatively, a little longer, with the tail-feathers and upper tail-coverts much broader. The color differs from *amelis* in being paler on the hind-neck and sides of rump, the back a slightly paler and warmer brown, and the under parts decidedly paler, becoming almost silvery whitish on the chest.

This new species is named in honor of Dr. Paul Bartsch in recognition of this important contribution of birds to the collection of the U. S. National Museum, made in connection with the operations of the *Albatross* Philippine Expedition.

The following table gives comparative measurements:

No. of specimens.	Sex.	Name.	Locality.	Wing.	Tail.	Exposed culmen.	Tarsus.
				mm.	mm.	mm.	mm.
1	Male.....	<i>Collocalia bartschi</i>	Guam Id.....	108	53	3.9	8.8
1	Female....	<i>Collocalia bartschi</i>	Guam Id.....	108	53	3.9	8.6
1	(?)	<i>Collocalia unicolor unicolor</i>	Ceylon.....	120	55	4.5	10
1	(?)	<i>Collocalia unicolor unicolor</i>	Ceylon.....	116	54	4	9.5
6	Male.....	<i>Collocalia unicolor amelis</i>	Benguet Prov., Luzon Id., P. I.	116	50	4.8	9.9
6	Female....	<i>Collocalia unicolor amelis</i>	Benguet Prov., Luzon Id., P. I.	116	50	5	10

RHIPIDURA URANIÆ Oustalet.

Cat. No. 211256, male adult. Guam, November 20, 1907.

Cat. No. 211257, male adult. Guam, November 21, 1907.

MYZOMELA RUBRATRA (Lesson).

Cat. No. 211258, male adult. Guam, November 20, 1907.

Cat. No. 211259, male adult. Guam, November 21, 1907.

APLONIS KITTLITZI (Finsch and Hartlaub).

Cat. No. 211260, male adult. Guam, November 19, 1907.

Cat. No. 211261, female adult. Guam, November 19, 1907.

Cat. No. 211262, female, immature. Guam, November 19, 1907.

BIRDS COLLECTED AT MIDWAY ISLAND AND VICINITY.**STERNA FUSCATA CRISSALIS** (Lawrence).

Cat. No. 211229, immature. Midway Island, Hawaiian Islands, November, 1907.

OCEANODROMA LEUCORHOA (Vieillot).

Cat. No. 211225, male adult. Near Midway Island, Hawaiian Islands, latitude 27° 20' N., longitude 172° 45' W., November 5, 1907.

Cat. No. 211226, male adult. Near Midway Island, Hawaiian Islands, latitude 27° N., longitude 179° E., November 9, 1907.

Cat. No. 211227, adult. Near Midway Island, latitude 26° N., longitude 174° 16' E., November 11, 1907.

Cat. No. 211228, female adult. Near Midway Island, latitude 26° N., longitude 174° 16' E., November 11, 1907. "Obtained at 10 p. m."

OCEANODROMA TRISTRAMI Stejneger.

Cat. No. 211224, female adult. Near Midway Island, Hawaiian Islands, latitude 28° 15' N., longitude 176° 30' W., November 6, 1907. The skin of this specimen of the very rare Tristram's fork-tailed petrel measures as follows: Length, 245 mm.; wing, 175; tail, 118; exposed culmen, 17.5; tarsus, 27; middle toe with claw, 26.

PUFFINUS CUNEATUS Salvin.

Cat. No. 211222, female adult. Near Midway Island, Hawaiian Islands, latitude 28° 15' N., longitude 176° 30' W., November 6, 1907.

PORZANULA PALMERI Frohawk.

Cat. No. 211250, male adult. Eastern Island, Midway Island, Hawaiian group, November 7, 1907.

Cat. No. 211251, female adult. Eastern Island, Midway Island, Hawaiian group, November 7, 1907. Doctor Bartsch informs me that this species had been introduced from Laysan Island some years previously and was abundant at the time of his visit.

CHARADRIUS DOMINICUS FULVUS (Gmelin).

Cat. No. 211230-1, male adults. Sand Island, Midway Island, Hawaiian Islands, November 8, 1907.

Cat. No. 211232-3, male adults. Eastern Island, Midway Island, Hawaiian Islands, November 7, 1907.

ARENARIA INTERPRES (Linnæus).

Cat. No. 211234, male adult. Sand Island, Midway Island, Hawaiian group, November 8, 1907.

Cat. No. 211235-9, female adults. Sand Island, Midway Island, Hawaiian group, November 8, 1907.

NUMENIUS TAHITIENSIS (Gmelin).

Cat. No. 211242-6, female adults. Sand Island, Midway Island, Hawaiian group, November 8, 1907.

Cat. No. 211247-9, female adults. Eastern Island, Midway Island, Hawaiian group, November 7, 1907.

PISOBIA AURITA (Latham).

Cat. No. 211240-1, female adults. Sand Island, Midway Island, Hawaiian group, November 8, 1907.

TELESPYZA CANTANS Wilson.

Cat. No. 211252-3, male adults. Eastern Island, Midway Island, Hawaiian group, November 7, 1907. Introduced from Laysan Island.